

EUROPEAN PATENT OFFICE



Patent Abstracts of Japan

SEP 05 2002

PUBLICATION NUMBER : 09300540
PUBLICATION DATE : 25-11-97

APPLICATION DATE : 09-05-96
APPLICATION NUMBER : 08137768

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INT.CL. : B32B 27/00 B32B 7/02 B32B 27/28 B32B 27/30 B32B 27/36

TITLE : IRIDESCENT REFLECTING FILM

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a tough film generating no ply separation by setting respective ultra-thin layers to a thickness almost equal to the wavelength of visible light and constituting the mutually adjacent ultra-thin films of two kinds of specific different materials and cutting the film into fine yarn to utilize the same as a decorative spinning material.

SOLUTION: The thickness of each of ultra-thin layers constituting a transparent multilayered film made of a thermoplastic resin is almost set to a wavelength of visible light and mutually adjacent ultra-thin films are constituted of two kinds of different materials. One resin is an acrylic resin and other resin is a polymer blend of a polybutylene terephthalate elastomer being polybutylene terephthalate or a polybutylene terephthalate/polyethylene glycol copolymer and a linear low density polyethylene. Therefore, a tough film generating no ply separation and having beautiful iridescent gloss is obtained and can be used as a decorative spinning material.

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